

Huamao Yuan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

111
papers

2,498
citations

26
h-index

46
g-index

113
ext. papers

2,962
ext. citations

4.7
avg, IF

5
L-index

#	Paper	IF	Citations
111	Immunomodulation and antitumor activity of kappa-carrageenan oligosaccharides. <i>Cancer Letters</i> , 2006 , 243, 228-34	9.9	255
110	Preparation and in vitro antioxidant activity of kappa-carrageenan oligosaccharides and their oversulfated, acetylated, and phosphorylated derivatives. <i>Carbohydrate Research</i> , 2005 , 340, 685-92	2.9	232
109	Environmental changes reflected by sedimentary geochemistry in recent hundred years of Jiaozhou Bay, North China. <i>Environmental Pollution</i> , 2007 , 145, 656-67	9.3	146
108	Distribution and contamination of heavy metals in surface sediments of the South Yellow Sea. <i>Marine Pollution Bulletin</i> , 2012 , 64, 2151-9	6.7	103
107	Persistent organic pollutant residues in the sediments and mollusks from the Bohai Sea coastal areas, North China: an overview. <i>Environment International</i> , 2009 , 35, 632-46	12.9	102
106	Antioxidant activity and cytoprotective effect of kappa-carrageenan oligosaccharides and their different derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 1329-34	2.9	81
105	Biomarker responses in the bivalve (<i>Chlamys farreri</i>) to exposure of the environmentally relevant concentrations of lead, mercury, copper. <i>Environmental Toxicology and Pharmacology</i> , 2010 , 30, 19-25	5.8	76
104	Speciation of heavy metals in different grain sizes of Jiaozhou Bay sediments: Bioavailability, ecological risk assessment and source analysis on a centennial timescale. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 143, 296-306	7	69
103	Enhanced immunostimulatory and antitumor activity of different derivatives of kappa-carrageenan oligosaccharides from <i>Kappaphycus striatum</i> . <i>Journal of Applied Phycology</i> , 2011 , 23, 59-65	3.2	67
102	Fluxes, seasonal patterns and sources of various nutrient species (nitrogen, phosphorus and silicon) in atmospheric wet deposition and their ecological effects on Jiaozhou Bay, North China. <i>Science of the Total Environment</i> , 2017 , 576, 617-627	10.2	54
101	Preparation, structural characterization and in vitro antitumor activity of kappa-carrageenan oligosaccharide fraction from <i>Kappaphycus striatum</i> . <i>Journal of Applied Phycology</i> , 2005 , 17, 7-13	3.2	51
100	Source identification and risk assessment based on fractionation of heavy metals in surface sediments of Jiaozhou Bay, China. <i>Marine Pollution Bulletin</i> , 2018 , 128, 548-556	6.7	50
99	Atmospheric wet deposition of dissolved trace elements to Jiaozhou Bay, North China: Fluxes, sources and potential effects on aquatic environments. <i>Chemosphere</i> , 2017 , 174, 428-436	8.4	38
98	Geochemical characteristics of nitrogen in the southern Yellow Sea surface sediments. <i>Journal of Marine Systems</i> , 2005 , 56, 17-27	2.7	35
97	Concentrations and distribution of phthalate esters in the seamount area of the Tropical Western Pacific Ocean. <i>Marine Pollution Bulletin</i> , 2019 , 140, 107-115	6.7	33
96	Spatio-temporal distribution and environmental risk of arsenic in sediments of the East China Sea. <i>Chemical Geology</i> , 2013 , 340, 21-31	4.2	33
95	One century record of contamination by polycyclic aromatic hydrocarbons and polychlorinated biphenyls in core sediments from the southern Yellow Sea. <i>Journal of Environmental Sciences</i> , 2009 , 21, 1080-8	6.4	31

94	Chemical characteristics, deposition fluxes and source apportionment of precipitation components in the Jiaozhou Bay, North China. <i>Atmospheric Research</i> , 2017 , 190, 10-20	5.4	30
93	Sources and distribution of isoprenoid glycerol dialkyl glycerol tetraethers (GDGTs) in sediments from the east coastal sea of China: Application of GDGT-based paleothermometry to a shallow marginal sea. <i>Organic Geochemistry</i> , 2014 , 75, 24-35	3.1	30
92	Environmental significance of biogenic elements in surface sediments of the Changjiang Estuary and its adjacent areas. <i>Journal of Environmental Sciences</i> , 2013 , 25, 2185-95	6.4	30
91	Distribution, sources and budgets of particulate phosphorus and nitrogen in the East China Sea. <i>Continental Shelf Research</i> , 2012 , 43, 142-155	2.4	30
90	Geochemical forms and seasonal variations of phosphorus in surface sediments of the East China Sea shelf. <i>Journal of Marine Systems</i> , 2016 , 159, 41-54	2.7	29
89	Hydroxylated isoprenoid GDGTs in Chinese coastal seas and their potential as a paleotemperature proxy for mid-to-low latitude marginal seas. <i>Organic Geochemistry</i> , 2015 , 89-90, 31-43	3.1	29
88	Phosphorus speciation and its bioavailability in sediments of the Jiaozhou Bay. <i>Estuarine, Coastal and Shelf Science</i> , 2017 , 188, 127-136	2.9	27
87	Fractionation, sources and budgets of potential harmful elements in surface sediments of the East China Sea. <i>Marine Pollution Bulletin</i> , 2013 , 68, 157-67	6.7	27
86	Thallium concentrations and sources in the surface sediments of Bohai Bay. <i>Marine Environmental Research</i> , 2012 , 73, 25-31	3.3	26
85	Changes in nitrogen and phosphorus and their effects on phytoplankton in the Bohai Sea. <i>Chinese Journal of Oceanology and Limnology</i> , 2010 , 28, 945-952		23
84	Distribution of selenium and its relationship to the eco-environment in Bohai Bay seawater. <i>Marine Chemistry</i> , 2010 , 121, 87-99	3.7	22
83	Spatial and seasonal variations, partitioning and fluxes of dissolved and particulate nutrients in Jiaozhou Bay. <i>Continental Shelf Research</i> , 2018 , 171, 140-149	2.4	22
82	Distribution, partitioning and sources of dissolved and particulate nitrogen and phosphorus in the north Yellow Sea. <i>Estuarine, Coastal and Shelf Science</i> , 2016 , 181, 182-195	2.9	21
81	Organic carbon source and burial during the past one hundred years in Jiaozhou Bay, North china. <i>Journal of Environmental Sciences</i> , 2008 , 20, 551-7	6.4	21
80	Environmental radionuclides in a coastal wetland of the Southern Laizhou Bay, China. <i>Marine Pollution Bulletin</i> , 2015 , 97, 506-511	6.7	20
79	Intensive anthropogenic activities had affected Daya Bay in South China Sea since the 1980s: Evidence from heavy metal contaminations. <i>Marine Pollution Bulletin</i> , 2018 , 135, 318-331	6.7	20
78	Petroleum hydrocarbons and their effects on fishery species in the Bohai Sea, North China. <i>Journal of Environmental Sciences</i> , 2011 , 23, 553-9	6.4	19
77	Carbon sinks/sources in the Yellow and East China Seas: Air-sea interface exchange, dissolution in seawater, and burial in sediments. <i>Science China Earth Sciences</i> , 2018 , 61, 1583-1593	4.6	19

76	Water-soluble nitrogen and phosphorus in aerosols and dry deposition in Jiaozhou Bay, North China: Deposition velocities, origins and biogeochemical implications. <i>Atmospheric Research</i> , 2018 , 207, 90-99	5.4	18
75	Biogeochemical characteristics and ecological risk assessment of pharmaceutically active compounds (PhACs) in the surface seawaters of Jiaozhou Bay, North China. <i>Environmental Pollution</i> , 2019 , 255, 113247	9.3	18
74	Air-sea CO ₂ exchange process in the southern Yellow Sea in April of 2011, and June, July, October of 2012. <i>Continental Shelf Research</i> , 2014 , 80, 8-19	2.4	18
73	The behaviors and sources of dissolved arsenic and antimony in Bohai Bay. <i>Continental Shelf Research</i> , 2010 , 30, 1522-1534	2.4	18
72	Behaviors of dissolved antimony in the Yangtze River Estuary and its adjacent waters. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 2292-303		18
71	Concentrations of cadmium and zinc in seawater of Bohai Bay and their effects on biomarker responses in the bivalve <i>Chlamys farreri</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 2010 , 59, 120-8	3.2	18
70	Environmental Characteristics of Polybrominated Diphenyl Ethers in Marine System, with Emphasis on Marine Organisms and Sediments. <i>BioMed Research International</i> , 2016 , 2016, 1317232	3	18
69	Environmental characteristics in three seamount areas of the Tropical Western Pacific Ocean: Focusing on nutrients. <i>Marine Pollution Bulletin</i> , 2019 , 143, 163-174	6.7	17
68	Dissolved barium as a tracer of Kuroshio incursion in the Kuroshio region east of Taiwan Island and the adjacent East China Sea. <i>Science China Earth Sciences</i> , 2017 , 60, 1356-1367	4.6	16
67	The distribution and seasonal variations of sedimentary organic matter in the East China Sea shelf. <i>Marine Pollution Bulletin</i> , 2018 , 129, 163-171	6.7	16
66	The use of sterols combined with isotope analyses as a tool to identify the origin of organic matter in the East China Sea. <i>Ecological Indicators</i> , 2017 , 83, 144-157	5.8	16
65	The sources and composition of organic matter in sediments of the Jiaozhou Bay: implications for environmental changes on a centennial time scale. <i>Acta Oceanologica Sinica</i> , 2017 , 36, 68-78	1	16
64	Role of the Jiaozhou Bay as a source/sink of CO ₂ over a seasonal cycle. <i>Scientia Marina</i> , 2007 , 71, 441-450	0.8	16
63	Particulate nitrogen and phosphorus in the East China Sea and its adjacent Kuroshio waters and evaluation of budgets for the East China Sea Shelf. <i>Continental Shelf Research</i> , 2016 , 131, 1-11	2.4	16
62	Spatial variation, fractionation and sedimentary records of mercury in the East China Sea. <i>Marine Pollution Bulletin</i> , 2015 , 101, 434-441	6.7	15
61	Summer carbonate chemistry dynamics in the Southern Yellow Sea and the East China Sea: Regional variations and controls. <i>Continental Shelf Research</i> , 2015 , 111, 250-261	2.4	15
60	Fraction characteristics of rare earth elements in the surface sediment of Bohai Bay, North China. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 7275-92	3.1	15
59	Jellyfish (<i>Cyanea nozakii</i>) decomposition and its potential influence on marine environments studied via simulation experiments. <i>Marine Pollution Bulletin</i> , 2015 , 97, 199-208	6.7	14

58	Inorganic Carbon of Sediments in the Yangtze River Estuary and Jiaozhou Bay. <i>Biogeochemistry</i> , 2006 , 77, 177-197	3.8	14
57	Historical trends of anthropogenic metals in sediments of Jiaozhou Bay over the last century. <i>Marine Pollution Bulletin</i> , 2018 , 135, 176-182	6.7	12
56	Geochemistry of Middle Holocene sediments from south Yellow Sea: Implications to provenance and climate change. <i>Journal of Earth Science (Wuhan, China)</i> , 2016 , 27, 751-762	2.2	12
55	Carbon Chemistry in the Mainstream of Kuroshio Current in Eastern Taiwan and Its Transport of Carbon into the East China Sea Shelf. <i>Sustainability</i> , 2018 , 10, 791	3.6	11
54	Sedimentary trace-element records of natural and human-induced environmental changes in the East China Sea. <i>Journal of Paleolimnology</i> , 2014 , 52, 277-292	2.1	11
53	Biogeochemical characteristics of nitrogen and phosphorus in Jiaozhou Bay sediments. <i>Chinese Journal of Oceanology and Limnology</i> , 2007 , 25, 157-165		11
52	Hypoxia, acidification and nutrient accumulation in the Yellow Sea Cold Water of the South Yellow Sea. <i>Science of the Total Environment</i> , 2020 , 745, 141050	10.2	11
51	Environmental evolution records reflected by radionuclides in the sediment of coastal wetlands: A case study in the Yellow River Estuary wetland. <i>Journal of Environmental Radioactivity</i> , 2016 , 162-163, 87-96	2.4	10
50	Geochemical Characteristics of Soil C, N, P, and Their Stoichiometrical Significance in the Coastal Wetlands of Laizhou Bay, Bohai Sea. <i>Clean - Soil, Air, Water</i> , 2015 , 43, 260-270	1.6	10
49	Dynamics and diagenesis of trace metals in sediments of the Changjiang Estuary. <i>Science of the Total Environment</i> , 2019 , 675, 247-259	10.2	9
48	Geochemical characteristics and potential biogeochemical effect of water-soluble ions in atmospheric aerosols over the western boundary regions of Pacific Ocean. <i>Atmospheric Research</i> , 2019 , 227, 101-111	5.4	9
47	Absorption properties of chromophoric dissolved organic matter (CDOM) in the East China Sea and the waters off eastern Taiwan. <i>Continental Shelf Research</i> , 2018 , 159, 12-23	2.4	9
46	Occurrence and origins of biomarker aliphatic hydrocarbons and their indications in surface sediments of the East China Sea. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 167, 259-268	7	9
45	Control factors of DIC in the Y3 seamount waters of the Western Pacific Ocean. <i>Journal of Oceanology and Limnology</i> , 2020 , 38, 1215-1224	1.5	9
44	Effects of ocean acidification on the physiological performance and carbon production of the Antarctic sea ice diatom <i>Nitzschia</i> sp. ICE-H. <i>Marine Pollution Bulletin</i> , 2017 , 120, 184-191	6.7	8
43	pCO ₂ and carbon fluxes across sea-air interface in the Changjiang Estuary and Hangzhou Bay. <i>Chinese Journal of Oceanology and Limnology</i> , 2008 , 26, 289-295		8
42	Pharmaceutically active compounds (PhACs) in surface sediments of the Jiaozhou Bay, north China. <i>Environmental Pollution</i> , 2020 , 266, 115245	9.3	8
41	Impact of Kuroshio on the dissolved oxygen in the East China Sea region. <i>Journal of Oceanology and Limnology</i> , 2019 , 37, 513-524	1.5	8

40	Comparison of carbonate parameters and air-sea CO ₂ flux in the southern Yellow Sea and East China Sea during spring and summer of 2011. <i>Journal of Oceanography</i> , 2017 , 73, 365-382	1.9	7
39	Atmospheric wet deposition of dissolved organic carbon to a typical anthropogenic-influenced semi-enclosed bay in the western Yellow Sea, China: Flux, sources and potential ecological environmental effects. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 182, 109371	7	7
38	Trace metal comparative analysis of sinking particles and sediments from a coastal environment of the Jiaozhou Bay, North China: Influence from sediment resuspension. <i>Chemosphere</i> , 2019 , 232, 315-326	8.4	7
37	Glycerol dialkyl glycerol tetraethers signature in sediments of the East China Sea and its implication on marine and continental climate and environment records. <i>Ecological Indicators</i> , 2019 , 103, 509-519	5.8	7
36	Metals in size-fractionated core sediments of Jiaozhou Bay, China: Records of recent anthropogenic activities and risk assessments. <i>Marine Pollution Bulletin</i> , 2018 , 127, 198-206	6.7	7
35	Rare earth element and yttrium geochemistry in sinking particles and sediments of the Jiaozhou Bay, North China: Potential proxy assessment for sediment resuspension. <i>Marine Pollution Bulletin</i> , 2019 , 144, 79-91	6.7	6
34	Bacterial vertical and horizontal variability around a deep seamount in the Tropical Western Pacific Ocean. <i>Marine Pollution Bulletin</i> , 2020 , 158, 111419	6.7	6
33	pCO ₂ distribution and CO ₂ flux on the inner continental shelf of the East China Sea during summer 2011. <i>Chinese Journal of Oceanology and Limnology</i> , 2013 , 31, 1088-1097		6
32	Potential mobility of inorganic nutrients and its controls at the sediment-water interface in the main path of Kuroshio Current off eastern Taiwan. <i>Marine Pollution Bulletin</i> , 2017 , 119, 270-276	6.7	5
31	The change of nutrient situation in the Prydz Bay waters along longitude 73°E, Antarctica, in the context of global environmental change. <i>Marine Pollution Bulletin</i> , 2020 , 154, 111071	6.7	5
30	Amino sugars as indicator of organic matters source and diagenesis in the surface sediments of the East China Sea. <i>Ecological Indicators</i> , 2019 , 97, 111-119	5.8	5
29	Characterization of Labile Organic Carbon in Different Coastal Wetland Soils of Laizhou Bay, Bohai Sea. <i>Wetlands</i> , 2017 , 37, 163-175	1.7	4
28	Distribution and storage of soil organic carbon in a coastal wetland under the pressure of human activities. <i>Journal of Soils and Sediments</i> , 2017 , 17, 11-22	3.4	4
27	Biogenic matter characteristics, deposition flux correction, and internal phosphorus transformation in Jiaozhou Bay, North China. <i>Journal of Marine Systems</i> , 2019 , 196, 1-13	2.7	4
26	The use of amino sugars for assessing seasonal dynamics of particulate organic matter in the Yangtze River estuary. <i>Marine Chemistry</i> , 2020 , 220, 103763	3.7	4
25	Dissolved inorganic tin sources and its coupling with eco-environments in Bohai Bay. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 1335-49	3.1	4
24	Toxic octabromodiphenyl ether is being transported from rich to poor via electronic waste. <i>Ambio</i> , 2009 , 38, 115-7	6.5	4
23	CO ₂ flux and seasonal variability in the turbidity maximum zone and surrounding area in the Changjiang River estuary. <i>Chinese Journal of Oceanology and Limnology</i> , 2015 , 33, 222-232		3

22	Analysis of differences in nutrients chemistry in seamount seawaters in the Kocebu and M5 seamounts in Western Pacific Ocean. <i>Journal of Oceanology and Limnology</i> , 2021 , 39, 1662	1.5	3
21	Sediment quality of the Bohai Sea and the northern Yellow Sea indicated by the results of acid-volatile sulfide and simultaneously extracted metals determinations. <i>Marine Pollution Bulletin</i> , 2020 , 155, 111147	6.7	3
20	Sources and burial of particulate organic matter in the Kuroshio mainstream and its response to climate change over the past millennium. <i>Geo-Marine Letters</i> , 2018 , 38, 497-511	1.9	3
19	Characterization, Source and Risk of Pharmaceutically Active Compounds (PhACs) in the Snow Deposition Near Jiaozhou Bay, North China. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1078	2.6	2
18	Dynamics of arsenic and its interaction with Fe and S at the sediment-water interface of the seasonal hypoxic Changjiang Estuary. <i>Science of the Total Environment</i> , 2021 , 769, 145269	10.2	2
17	The OMZ and Its Influence on POC in the Tropical Western Pacific Ocean: Based on the Survey in March 2018. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	2
16	Variation of Isoprenoid GDGTs in the Stratified Marine Water Column: Implications for GDGT-Based TEX86 Paleothermometry. <i>Frontiers in Marine Science</i> ,8,	4.5	2
15	Historical evolutions of sediment quality in bays under serious anthropogenic influences in China, basing on fuzzy comprehensive assessment of heavy metals. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 25933-25942	5.1	1
14	Impact of water depth on the distribution of iGDGTs in the surface sediments from the northern South China Sea: applicability of TEX86 in marginal seas. <i>Frontiers of Earth Science</i> , 2018 , 12, 95-107	1.7	1
13	Evaluation of Sedimentary Organic Carbon Reactivity and Burial in the Eastern China Marginal Seas. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2021JC017207	3.3	1
12	The origins and implications of glycerol ether lipids in China coastal wetland sediments. <i>Scientific Reports</i> , 2019 , 9, 18529	4.9	1
11	Paleoproductivity and climate evolution in the Kuroshio mainstream area over the past millennium. <i>Ecological Indicators</i> , 2021 , 121, 107035	5.8	1
10	The bacterial diversity and community composition altered in the oxygen minimum zone of the Tropical Western Pacific Ocean. <i>Journal of Oceanology and Limnology</i> , 2021 , 39, 1690	1.5	1
9	Combining sterols with stable carbon isotope as indicators for assessing the organic matter sources and primary productivity evolution in the coastal areas of the East China Sea. <i>Continental Shelf Research</i> , 2021 , 223, 104446	2.4	1
8	Characteristics and biogeochemical effects of oxygen minimum zones in typical seamount areas, Tropical Western Pacific. <i>Journal of Oceanology and Limnology</i> , 2021 , 39, 1651	1.5	1
7	Biogeochemical characteristics and microbial response to indicate degradation of organic matter around Pair-summit Seamounts in the Tropical Western Pacific Ocean. <i>Ecological Indicators</i> , 2022 , 136, 108637	5.8	0
6	Seasonal dynamics of phytoplankton phosphorus stress in temperate Jiaozhou Bay, North China. <i>Continental Shelf Research</i> , 2021 , 104602	2.4	0
5	Historical reconstructions of sedimentary organic matter sources and phytoplankton evolution in the Jiaozhou Bay based on sterols and carbon isotope. <i>Marine Pollution Bulletin</i> , 2021 , 165, 112109	6.7	0

- 4 Spatial variations of bacterial community composition in sediments of the Jiaozhou Bay, China. *Journal of Oceanology and Limnology*, **2021**, 39, 865-879 1.5 ○
- 3 Bacteriohopanepolyols signature in sediments of the East China Sea and its indications for hypoxia and organic matter sources. *Organic Geochemistry*, **2021**, 158, 104268 3.1 ○
- 2 Source, transformation and degradation of particulate organic matter and its connection to microbial processes in Jiaozhou Bay, North China. *Estuarine, Coastal and Shelf Science*, **2021**, 260, 107501^{2.9} ○
- 1 Experiments and evidences: jellyfish (*Nemopilema nomurai*) decomposing and nutrients (nitrogen and phosphorus) released. *Acta Oceanologica Sinica*, **2015**, 34, 1-12 1